

W9OG



FEBRUARY, 1976

Fay Gehres W9AIN  
2232 Powell Ave.  
Evansville, Ind. 47714  
176

EVANSVILLE, INDIANA

## Tri-State Amateur Radio Society

TARS regular monthly meetings are held at the corner of Second and Virginia Streets at the "Lighthouse" on the Second Thursday of each month at 7:30 p.m. The officers and directors meetings will be held on the third Thursday of each month at 7 p.m. The Tri-State Emergency Net meets each Wednesday at 8 p.m. local time on the WR9ADQ repeater. 147.75-15 Mhz.

### OFFICERS

PRES: Thomas Dick WA9QDZ  
VP: Randy Riggs WB9RDS  
SEC: Steve Breunling WB9MDB  
TREAS: Mike McNeely K9HCK  
EDITOR: John Kell K9TKE

### DIRECTORS

Robert Barrett WB9LCA  
Charles Redding WA9WCE  
Terry McCrary WB9KQF  
Mike Townsend W9KXP  
Hazel Flippen WB9RIU  
Ken Small WA9HGA

### FROM THE DESK OF THE PRESIDENT

Hey, everybody, it's time for another Club meeting! Yah, another whole month has passed! The meeting will be, of interest to you I'm sure, so plan to be there. We are going to show the TV "special" on Big Wind, review the WX net in preparation for the Spring storm season and other things too! How about wearing your nametags like we use to do?

You know, I've tried some low frequency mobiling lately. Yah, and it's not so bad either! I had a 45 minute QSO with a mobile around Rolla, Mo. while I mobiled between Indianapolis and Terre Haute. That was one of several

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good contacts; try it, you might rediscover a mighty good thing! Feb 2 also saw one of the first hook-up of repeaters. I passed traffic via the Terra Haute machine to Vincennes and then to Evansville and back. This was done in less time that it took to get recognised on the 3910 Ind. net!

Did you know that there is a growing number of potential hams? While in Graham Electronics in Indianapolistown, I stumbled onto the fact that ARRL is having trouble keeping up with the demand for license manuels! It appears the increased interest in CB has spread over to our ranks now. Hey, it might get to be that novices will have to wait six months between their code test and their written test! (Well, I hope not anyway!) We can see it in our local class; we have split up into novice and "advanced" groups now.

Well, see you at the Blind Association Building this Thursday! Come early!

Tom, WA9QDZ

FOR SALE: NEW from Drake SSR-1 Rcvr: Drake DC-3 pwr Sup: National NC 303 Rcvr: Heath SB 310 Rcvr: Collins PRC-47 Rcvr: CASTRUP RADIO SUPPLY

#### FROM THE OWENSBORO ARC BULLETIN:

On March 27, 1976 the State Repeater Council will hold its meeting in Owensboro. That evening the OARC will have dinner with two distinguished guests; George Hart, W1NJM, ARRL Communications Manager and National Emergency Coordinator, along with Dick Egbert, W8ETU, Great Lakes Division Director for ARRL. (more info in next month's bulletin)

THE POSEY COUNTY AREC Net meets Saturday morning at 9 AM (1500Z) on 146.52 mhz and 3.740 mhz. NCS's are WB9PZB and WN9PZA

With the AREC  
by WA9QCF-J.D.

How did we do on the SET? Last year it was merely GREAT! This year it was FANTASTIC! To those of you that missed the net last Wednesday, I will briefly fill you in on our over-all results. As stated in the last issue of SPARKS, the purpose of the SET was for 1. Find out our strong points and limitations in providing communications on an emergency basis. 2. Help amateurs gain experience in communicating, using standard procedure, under simulated emergency conditions. 3. Provide a public demonstration-- to served agencies such as Red Cross, C.D., Salvation Army etc., and through the new media--of the value to the public of amateur radio, particularly in time of need. In my opinion we did an outstanding job on all three points. Last year with our score of 266 points, we were second in the state of Indiana, and third in our division which included Indiana, Illinois and Wisconsin. Our total points score on this year's SET was 528! A one hundred per cent improvement over our score last year. This is the important part of it, regardless of how we place in the state or our division. Last year 24 operators participated, this year 52 operators participated. This is what made it a success, your interest and participation. With the good newspaper coverage of the event and with WGBF highlighting our activities on the radio, I believe that the name amateur radio has more meaning to alot more people, and I might add, respect. Again my sincere thanks to each and everyone that helped.



## REPEATERS

"Mother," said Johnny, "is it correct to say you 'water a horse' when he's thirsty?"

"Yes, quite correct."

"Then [picking up a saucer], I'm going to milk the cat."



THE EVANSVILLE REPEATER (just what is that thing out there on that hill)  
 The Evansville Repeater WR9ADQ (AF9ADQ) operates on 147.75 mhz input and 147.15 output with a Motorola Motran solid state receiver and transmitter. The identifier is solid state IC Circuitry. Power output is 30 watts. Receiver sensitivity is .2uV. Duplexer's: 6 cavity (Ron built) affair with full duplexing. Feedline: 3/4" O.D. solid aluminum jacket 75 ohm. Antenna: Stationmaster Deluxe, 23 ft tall, 6 db gain over 1/4 wave. The tower is 150 ft. at 550 ft. above sea level making an overall height above sea level of 700 Ft. ERP 100 watts. Range to mobile 40 - 50 miles give or take 10 kilometers, depending upon the mobile equipment used. The repeater has the ability to operate for an unknown period of time on its own power. If you hear a 1 khz audio tone (continuous) when the repeater is "on" this will indicate that it is on battery power and care should be exercised to keep operating at a minimum. This will enable the machine to stay on for a longer period of time.

Where is it? Take Diamond Ave. west to St. Joe, go north to Orchard Rd. West again for about 1/2 mi. From here it is north of the road about 100 yds. About six miles from where you leave Diamond Ave.  
 W9KXP

WANTED: Manual for National NC 303 Rvcr contact Kent Adams 479-1872.

Several TARS membership expired in the month of January 1976 and more will fall by the wayside in March. So Watch your Address sticker on SPARKS for your expiration date.

WHAT'S GOING ON IN EVV  
 QDZ lost a wheel off his Olds  
 Rick put up a Driven element  
 JHD has a new Genave  
 W9KVE is trying out 2M FM wid borrowed rig  
 W9RBV, new to 2M

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## WESCO RADIO PARTS

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BROADCASTING: Regulation 97.113 in part, state that "an amateur station shall not be used to engage in any form of broadcasting, that is, the dissemination of radio communications intended to be received by the public directly or by the intermediary of relay stations, nor for the retransmission by automatic means of programs or signals emanating from any class of stations other than amateur" from QST Jan 76 page 62 left col

I WOULD LIKE TO START OR CONTINUE MY MEMBERSHIP IN TARS, INCLUDING SUBSCRIPTION TO "SPARKS."

ENCLOSED: \$8 for membership and subscription, per year.

Name \_\_\_\_\_ Call \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Send to: Mike McNeely K9HCK  
 618 Sheridan Rd.  
 Evansville, Ind. 47710



# CHIPS FOUND FLOATING DOWN SILICON SLOUGH

The state of the Art is changing rapidly. In fact I ran into him in New Mexico last month. Seems he had just gotten back from China where he had seen their latest computer. It was really fantastic, but they still have a problem with noise from the beads. I asked Art to clue me in on the latest devices coming out of research and these are the ones he told me about:

## The Don't Gate

You don't get no output no matter what's at the inputs. It is believed that the don't gate was the breakthrough that made the LSI write only memory possible.

## Shiftless Register

Must be used with 3 speed forward clutch gate. Shifts at 15, 25, and 35 bits per second. Double clutching with logic 2s is not suggested.

## Noise Emitting Diode (NED)

When connected across a 1000 volt supply it makes a loud noise (once). The NED was discovered by Igor Pravaganda whom you'll recall worked many years trying to filter AC with electrolytics. He'll always be remembered as the father of the confetti generator.

## Inoperational Amplifier (IN-OP AMP)

Linear cousin of the DON'T gate. Provides no output for any input at a slew rate of 0 volts per microsecond. Mil Spec. version available at 100 times the cost of OEM version.

## J(UN)K Flip Flop

Doesn't change state when clocked regardless of input states. Changes state only when cola machine down the hall makes change.

## Excess 3 To Insufficient 4 Carry Forward Fudger

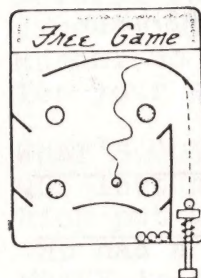
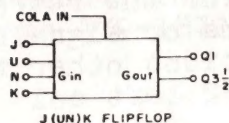
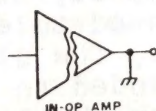
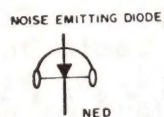
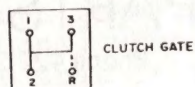
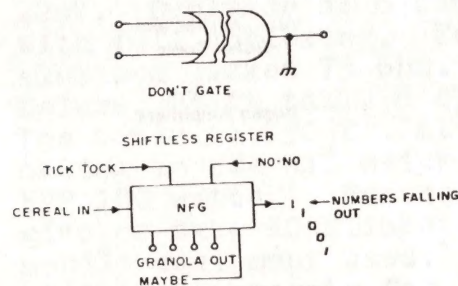
Used to enter Murphy factor and get the programmer off the hook.

## Moss

Highly experimental material. Very rare at present since only source is from under grizzly bear toenails. Turns green when facing north while on wood substrate.

## Fuzz Locked Loop

Great if you want to avoid radar speed traps. ■



EXCESS 3 TO INSUFFICIENT 4  
CARRY FORWARD FUDGER



## ACTIVITIES:

Feb 12 TARS meeting  
Feb 21-22 DX Competition CW  
Apr 22-24 Dayton Hamfest  
Jun 26-27 Field Day

UTC	KHZ	DAYS	FUNCTION
1100	3715	Daily	Early Bird Net(EBN)
1230	3714	FSSnM	Hit & Bounce Slow Net(HBSN)
1230	3955	M-S	Central States Traffic Net
1300	7140	FSSnM	Hit & Bounce Slow Net(HBSN)
1300	3915	M-S	North Central Phone Net
1330	3910	Daily	Indiana Traffic Net
1330	3959	Daily	Kentucky Traffic Net
1330	7070	Daily	Hit & Bounce Net (HBN)
1400	14285	M-S	North American SSB Net
1500	14277	M-F	20 Meter Interstate SSB Net
1800	3915	M-S	North Central Phone Net
1900	7235	Daily	Daytime Central Area Net
1900	3990	Sunday	Square & Compass Net
1930	14317	Daily	Continental Traffic Net
2030	7235	Daily	Daytime Central Area Net
2100	3940	Daily	Daytime 9th Region Net
2130	3910	M-S	Indiana Traffic Net
2130	3940	Daily	Daytime 8th Region Net
2145	3915	M-S	Illinois Phone Net
2230	3720	Daily	Michigan Novice Net(MNN)
2300	3910	Daily	Indiana Traffic Net
2330	3740	Daily	Indiana Novice Net(INN)
2345	3959	Daily	Kentucky Traffic Net
0030	3726	Daily	Eastern Area Slow Net(EASN)
0100	3656	Daily	Indiana CW Net(QIN)
0100	146520	Thurs	Warrick County AREC Net
0100	3985	Daily	75 meter Interstate SSB Net
0145	3640	Daily	9th Region Net (9RN)
0200	147150	Wed	TARS net
0200	3725	Daily	Kentucky Novice Traffic Net(KNTN)
0200	3989	M-S	Columbine Net
0230	3670	Daily	Central Area Net (CAN)
0300	3600	Daily	Kentucky Slow Net (KSN)
0330	3640	Daily	9th Region Net (9RN)
0400	3656	Daily	Indiana CW Net (QIN)



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